

AMENDMENT AND RESPONSE UNDER 37 CFR §1.111  
U.S.S.N. 09-442,256  
Filed: November 17, 1999

Please amend the claims as follows:

4. (Amended) The [composition] method of claim [3] 22, wherein the [organic] solvent or mixture of solvents is polar.
5. (Amended) The [composition] method of claim [3] 22, wherein the [organic] solvent or mixture of solvents [in] is non-polar.
6. (Amended) The [composition] method of claim [3] 22, wherein the solvent is organic [solvent] and is selected from the group consisting of methanol, hexane, ether, and acetone.
8. (Amended) The [composition] method of claim [2] 22, wherein the plant material is selected from the group consisting of flowers, leaves, seeds, stems, and mixtures thereof.
9. (Amended) The [composition] method of claim [2] 22, wherein the composition comprises two or more extracts of plant material derived from the same or different plants.

AMENDMENT AND RESPONSE UNDER 37 CFR §1.111  
U.S.S.N. 09/442,256  
Filed: November 17, 1999

12. (Amended) The [composition] method of claim [11] 40, wherein the parenteral administration is intravenous, subcutaneous, intramuscular, or intraperitoneal injection.

13. (Amended) The [composition] method of claim [10] 38, wherein the pharmaceutical carrier is in a form selected from the group consisting of tablets, capsules, powders, suppositories, suspensions, and solutions.

14. (Amended) The [composition] method of claim [10] 38, wherein the pharmaceutical carrier [further] compris[ing]es coloring agents, flavoring agents, or combinations thereof.

22. (Twice amended) A method for preparing a composition comprising [a therapeutically effective amount of] one or more extracts of plant material, wherein the plant material is obtained from a plant selected from the group consisting of [*Glinus lotoides*, *Ruta chalepensis*,] *Hagenia abyssinica*[,] and *Millettia ferruginea*, comprising:

- (a) contacting the plant material with a solvent or mixture of solvents to form a liquid extract and a crude material, and
- (b) separating the liquid extract from the crude material.

AMENDMENT AND RESPONSE UNDER 37 CFR §1.111  
U.S.S.N. 09/442,256  
Filed: November 17, 1999

24. (Amended) The method of claim [23] 22, wherein separating [(c)] (b) comprises a method selected from the group consisting of centrifugation, filtration, [or] and allowing the mixture to settle.

25. (Amended) The method of claim [24] 22, wherein separating [(c)] (b) comprises multiple centrifugations resulting in the recovery of multiple liquid extracts.

29. (Amended) The method of claim [28] 22, further comprising:  
[(a) separating the first liquid extract and the first crude material,]  
[(b)] (c) contacting [again extracting] the [first] crude material one or more times with the same or different solvent or [using an organic solvent or a] mixture of solvents to form one or more [an] additional liquid extracts and one or more [an] additional crude materials, and  
[(c)] (d) separating the one or more additional liquid extracts from the one or more additional crude materials.

32. (Amended) The method of claim [28] 29, further comprising:  
[(a) separating the first liquid extract and the first crude material,  
(b) contacting]

AMENDMENT AND RESPONSE UNDER 37 CFR §1.111  
U.S.S.N. 09/442,256  
Filed: November 17, 1999

repeating (a) - (d) using a different plant material [with] and the same or different [an organic] solvent or a mixture of solvents [to form a second liquid extract and a second crude material].

36. (Amended) The method of claim [28] 29, further comprising: [wherein the first organic solvent is removed]

- (i) optionally combining one or more of the one or more liquid extracts;
- (ii) removing the solvent or mixture of solvents from the [first] one or more liquid extracts to produce a substantially dried pellet, and [wherein]
- (iii) suspending the substantially dried pellet [is suspended] in an aqueous solution.

Please add the following new claims:

--54. A method for preparing a composition comprising one or more extracts of plant material, wherein the plant material is obtained from a plant selected from the group consisting of *Glinus lotoides*, *Ruta chalepensis*, *Hagenia abyssinica*, and *Millettia ferruginea*, comprising:

- (a) contacting the plant material with a solvent or mixture of solvents to form a liquid extract and a crude material;
- (b) separating the liquid extract from the crude material; and

AMENDMENT AND RESPONSE UNDER 37 CFR §1.111  
U.S.S.N. 09/442,256  
Filed: November 17, 1999

(c) contacting the crude material one or more times with the same or different solvent or mixture of solvents to form one or more additional crude materials and one or more additional liquid extracts.--

--55. The method of claim 54, further comprising repeating (a) - (c) using a different plant material and the same or different solvent or a mixture of solvents.--

--56. The method of claim 54, further comprising:

- (i) optionally combining one or more of the one or more liquid extracts; and
- (ii) mixing the one or more liquid extracts with a suitable pharmaceutical carrier.--

--57. The method of claim 54, wherein the plant material comprises *Hagenia abyssinica* or *Millettia ferruginea* or both.--

--58. A method for preparing a composition comprising one or more extracts of plant material, wherein the plant material is obtained from a plant selected from the group consisting of *Glinus lotoides*, *Ruta chalepensis*, *Hagenia abyssinica*, and *Millettia ferruginea*, comprising:

AMENDMENT AND RESPONSE UNDER 37 CFR §1.111  
U.S.S.N. 09/442,256  
Filed: November 17, 1999

(a) contacting the plant material with a solvent or mixture of solvents to form a liquid extract and a crude material;

(b) separating the liquid extract and the crude material; and

(c) optionally contacting the crude material one or more times with the same or different solvent or mixture of solvents to form one or more additional crude materials and one or more additional liquid extracts, wherein at least one of the contacting steps (a) or (c) comprises adjusting the pH by adding a basic compound or an acidic compound to form an adjusted mixture.--

--59. The method of claim 58, wherein the pH is adjusted by adding a basic compound.--

--60. The method of claim 59, wherein the basic compound is NaOH.--

--61. The method of claim 59, wherein the pH is adjusted to a value between about 9 to about 13.--

--62. The method of claim 58, wherein the pH is adjusted by adding an acidic compound. --

--63. The method of claim 62, wherein the acidic compound is HCl.--

AMENDMENT AND RESPONSE UNDER 37 CFR §1.111  
U.S.S.N. 09/442,256  
Filed: November 17, 1999

--64. The method of claim 62, wherein the of the pH is adjusted to a value between about 1 to about 5.--

--65. The method of claim 58, further comprising re-adjusting the pH of the adjusted mixture, comprising:

- (i) adding an acidic compound if a basic compound was added, or
- (ii) adding a basic compound if an acidic compound was added.--

--66. The method of claim 58, further comprising:

- (d) optionally combining one or more of the one or more liquid extracts;
- (e) adjusting the pH to about 6 to about 8; and
- (f) mixing the one or more liquid extracts with a suitable pharmaceutical carrier.--

--67. The method of claim 58, further comprising repeating (a) - (c) using a different plant material and the same or different solvent or a mixture of solvents.--

--68. The method of claim 58, wherein the plant material comprises *Hagenia abyssinica* or *Millettia ferruginea* or both.--

AMENDMENT AND RESPONSE UNDER 37 CFR §1.111  
U.S.S.N. 09/442,256  
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--69. A method for preparing a composition comprising one or more extracts of plant material, wherein the plant material is obtained from a plant selected from the group consisting of *Glinus lotoides*, *Ruta chalepensis*, *Hagenia abyssinica* and *Millettia ferruginea*, comprising:

- (a) contacting the plant material with a solvent or mixture of solvents to form a first liquid extract and a first crude material;
- (b) separating the first liquid extract from the first crude material;
- (c) contacting the first crude material with the same or a different solvent or a mixture of solvents to form a mixture comprising a second liquid extract and a second crude material;
- (d) adjusting the pH of the mixture (c) by adding a basic compound;
- (e) separating the second liquid extract from the second crude material;
- (f) contacting the second crude material with the same or a different solvent or a mixture of solvents to form a mixture comprising a third liquid extract and a third crude material;
- (g) adjusting the pH of the mixture (f) by adding an acidic compound; and
- (h) separating the third liquid extract from the third crude material.--

--70. The method of claim 69, further comprising:

- (i) optionally performing additional contacting, adjusting, or separating steps;